

SRP-6MA-BG SERIES 6 INCH 72 CELLS

# 365-380w

## PERC BIFACIAL SOLAR MODULE

### KEY FEATURES



Enhanced safety by excellent fire resistance



Perfect for sandy, snowy and high latitude regions



Use reflected light, 10%-30% more energy generation



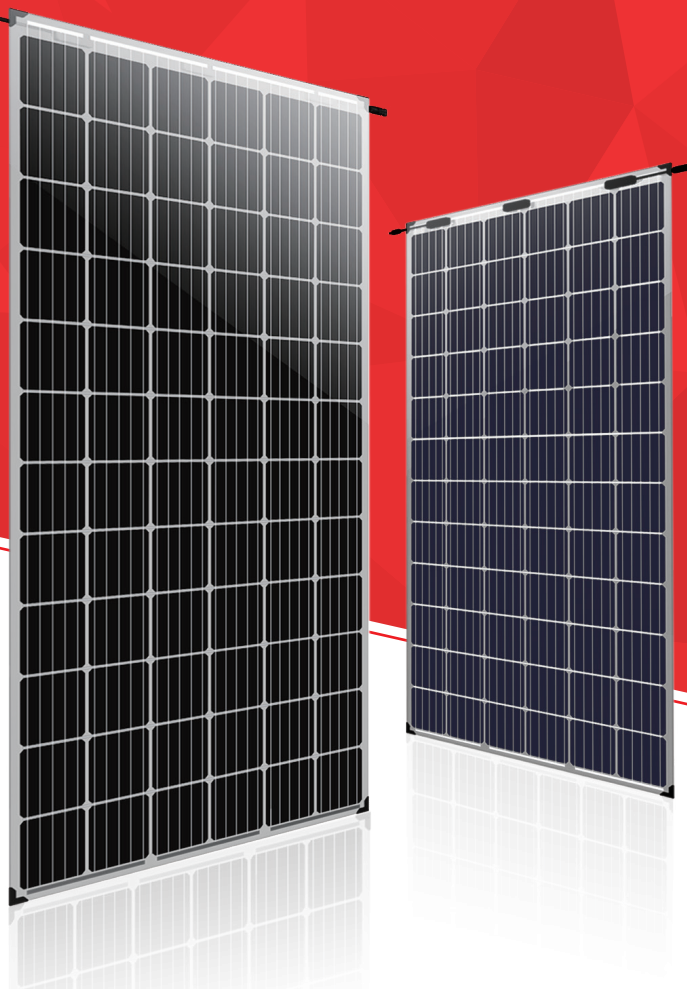
Dual glass reduces micro-cracks, snail trail, UV aging



Frameless design solving the problematic issue of PID



Less maintenance due to frameless structure with less soiling and snow accumulation.



### MANAGEMENT SYSTEM

ISO 9001: Quality management system  
ISO 14001: Standard for environmental management system  
OHSAS 18001: International standard for occupational health and safety assessment system

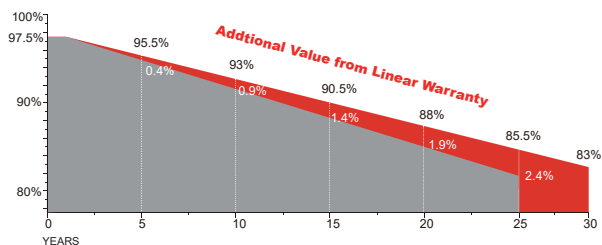
### INSURANCE

**PICC**

### PRODUCT CERTIFICATES



### WARRANTY



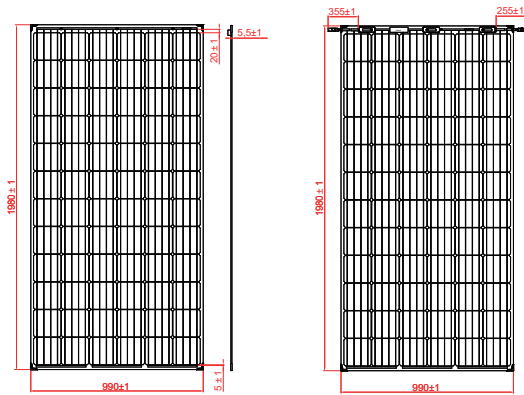
Guarantee on product material and workmanship



linear power output warranty

Specifications are subject to change without further notification SRP-DS-EN-2020/V1.0 © Copyright 2020 Seraphim

## Technical drawing



\* All Dimensions in mm

\* The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact SERAPHIM.

## Mechanical Specifications

External Dimension	1980 x 990 x 5.5mm
Weight	22.5kg
Solar Cells	PERC Mono crystalline 156.75 x 156.75 mm (72pcs)
Front Glass	2.0mm AR coating semi-tempered glass, low iron
Back Glass	2.0mm AR coating semi-tempered glass, low iron
Junction Box	IP68, 3 diodes
Output Cables	4.0 mm <sup>2</sup> , Portrait: 255mm(+)/355mm(-) ;Landscape:1200mm
Connector	MC4 Compatible

## Packing Configuration

Container	40'HQ
Pieces per Pallet	34
Pallets per Container	22
Pieces per Container	748

## Electrical Characteristics

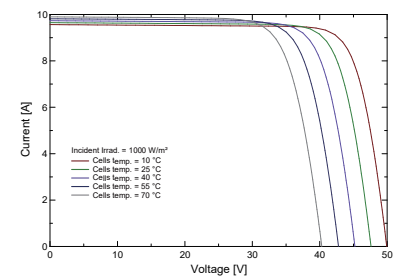
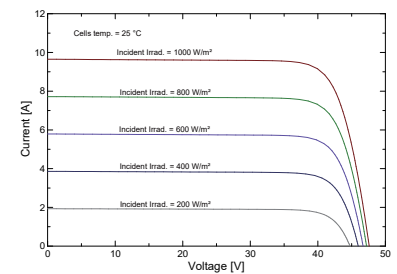
Module Type	SRP-365-6MA-BG		SRP-370-6MA-BG		SRP-375-6MA-BG		SRP-380-6MA-BG	
	Front	Back	Front	Back	Front	Back	Front	Back
Maximum Power -P <sub>mp</sub> (W)	365	272	370	277	375	281	380	284
Open Circuit Voltage -V <sub>oc</sub> (V)	48.1	47.5	48.3	47.7	48.5	47.9	48.7	48.0
Short Circuit Current -I <sub>sc</sub> (A)	9.69	7.17	9.77	7.25	9.86	7.31	9.94	7.37
Maximum Power Voltage -V <sub>mp</sub> (V)	39.5	39.6	39.7	39.9	39.9	40.1	40.1	40.2
Maximum Power Current -I <sub>mp</sub> (A)	9.24	6.87	9.32	6.95	9.40	7.01	9.48	7.07
Module Efficiency STC-η <sub>m</sub> (%)	18.62		18.88		19.13		19.39	
Power Tolerance (W)	(0, +4.99)							
Pmax Temperature Coefficient	-0.36 %/°C							
Voc Temperature Coefficient	-0.28 %/°C							
Isc Temperature Coefficient	+0.050 %/°C							

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

## Rear Side Power Gain(SRP-370-6MA-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P <sub>mp</sub> (W)	407	426	444	463	481
Open Circuit Voltage -V <sub>oc</sub> (V)	48.3	48.3	48.3	48.3	48.3
Short Circuit Current -I <sub>sc</sub> (A)	10.76	11.24	11.73	12.22	12.71
Maximum Power Voltage -V <sub>mp</sub> (V)	39.7	39.7	39.7	39.7	39.7
Maximum Power Current -I <sub>mp</sub> (A)	10.26	10.72	11.19	11.66	12.12

## I-V Curve



## Application Conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±5%
Mechanical Load	Front side 2400Pa/ Rear side 2400Pa

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